

OPTTECHA

L I G H T I N G



Optecha (op-tek-a) is a devoted lighting solution-centric firm that specializes in LED lighting, controls, design and complete post-installation management of the lighting system. Our philosophy is to engage during the early stages of planning to ensure we deliver the best lighting solution. Our specialty is to develop the "design intent" that combines a balance of engineering, performance, aesthetics, cost management and environmental and wildlife mitigation. The beneficiaries are the owners, operators, customers and neighbouring properties. We've provided solutions for projects totaling over 30 billion dollars and delivered millions in capital and operating savings.

What We Deliver

- One-of-a-kind comprehensive and engineered solution approach
- Employ the best lighting system for the application (ability to blend manufacturers when necessary)
- Energy reduction of 60-85%
- Capital cost reduction of 20 – 40%
- Operating cost reduction of up to 90% (energy and maintenance)
- Maximize system mortality, reduce maintenance
- Complete financial analytics detailing capital, operating cost profiles and payback calculations
- Environmental, wildlife mitigation. Elimination of mercury and hazardous substances, reduction of green house gases
- Allow owners and operators to focus on their business vs struggling with inoperative lighting

Solutions

End User and Corporate Solutions

Optecha can help define your design intent and translate so lighting delivers a balance of art, science and business sense.

- ensure that your spaces are comfortable, positive, productive and safe
- highest level of coordination and design resulting in the lowest capital and operating costs
- Qualify product selection and integration for controls and building automation systems
- High resolution 3D simulation can reproduce the hundreds of possible outcomes to arrive at the best solution to meet the design intent
- integrate with existing architects, designers and consultants

Lighting Agents, Manufacturers, Architects, Lighting Designers

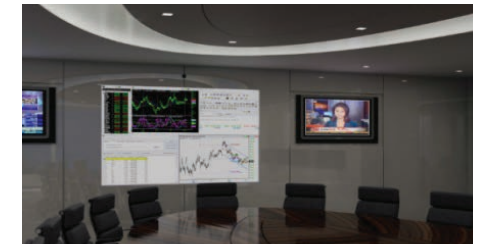
Optimized lighting application design determines your win or loss for any opportunity. Too many luminaires or adversely too few can result in failing to meet budgets and specification, eliminating your potential to grow sales. Being able to optimize any design at a fraction of the time compared with others will prove to be your lowest cost.

- Devoted lighting professionals with decades of lighting experience
- Advanced knowledge of 3D modeling, lighting design programs and photometry
- task tune lighting using the most efficient optics, lowest energy and fewest luminaires
- integrate with other disciplines such as architects, lighting designers, electrical consultants
- practical designs that makes sense
- Optecha can balance throughput, increase speed to market, reduce headcount, overhead and help you meet critical deadlines



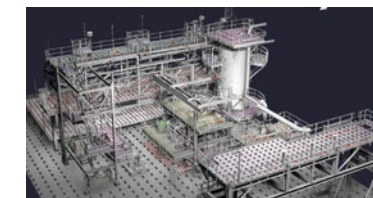
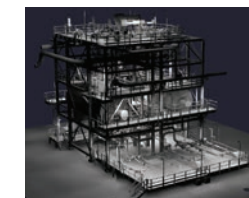
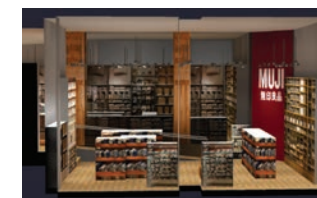
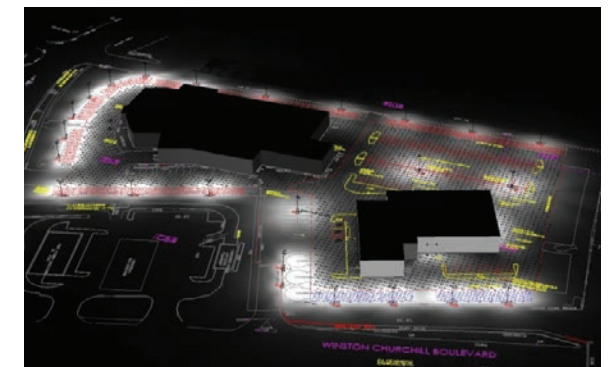
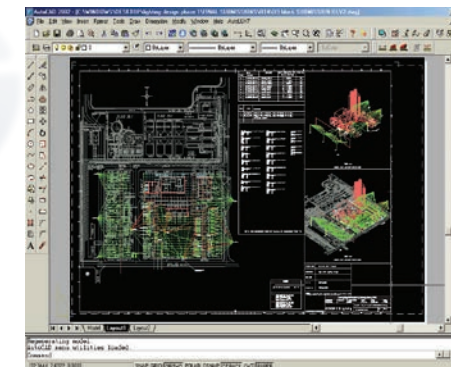
3D Modeling & Design

The only firm that can perform complex lighting algorithms within the most detailed and obstructed 3D models. Optecha can create countless scenarios to arrive at the optimum design complete with life-like renderings, virtual walk-throughs and CAD exports. AGI32, Smart Plant 3D, Aveva PDMS, 3D Studio, Microstation, SketchUp, Autocad, etc.



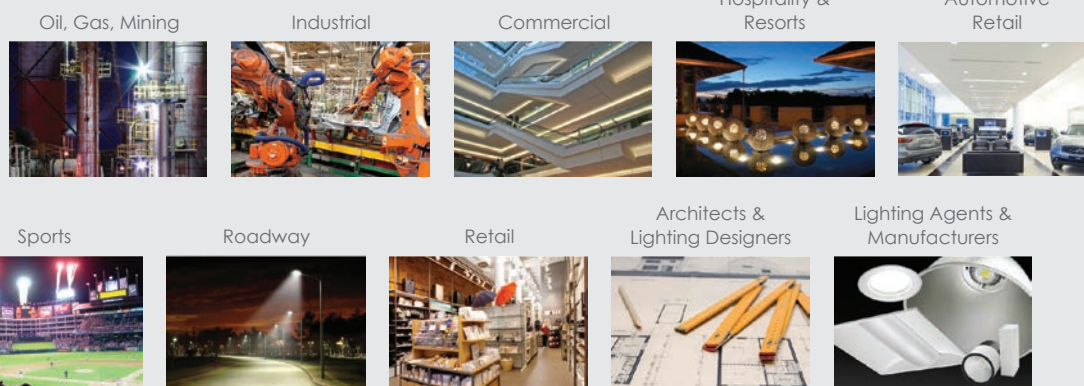
Architectural Design and Renderings

Technical Design and Renderings

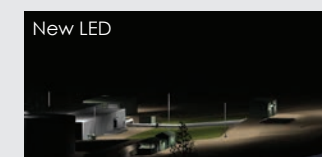
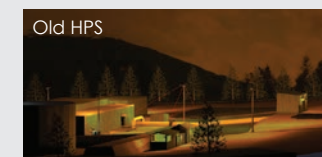


Markets Served

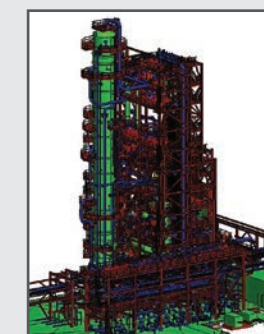
DESIGNED FOR
\$30 BILLION
CONSTRUCTION PROJECTS



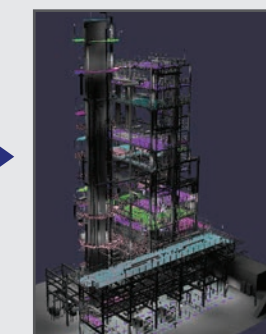
Optimize Design



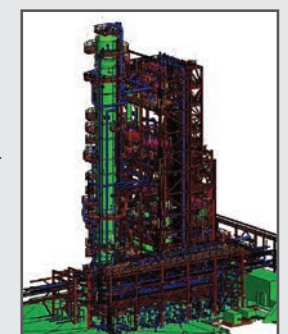
Wildlife Mitigation



Export from native model



Optimize lighting design



Import lights back to native model